

Small sized network environment

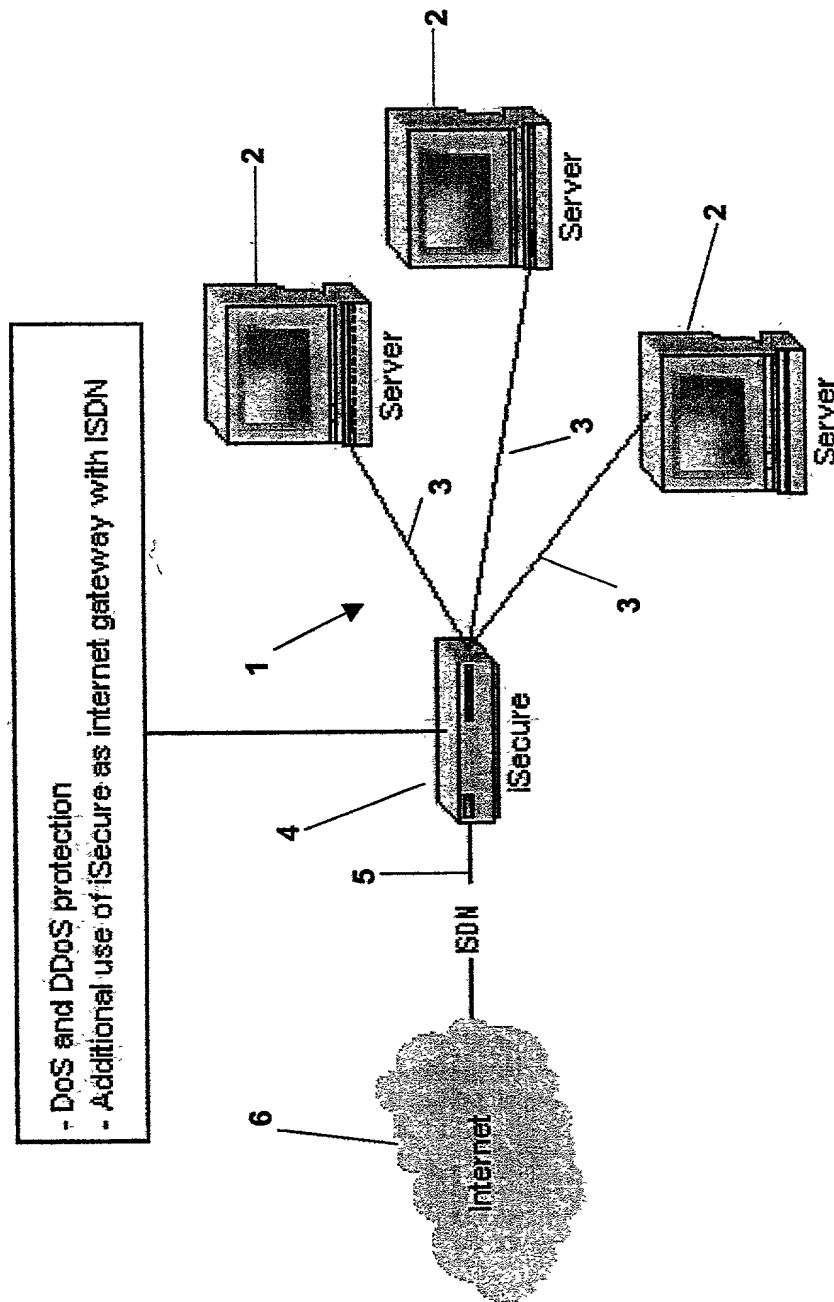


Fig. 1

Medium sized network environment

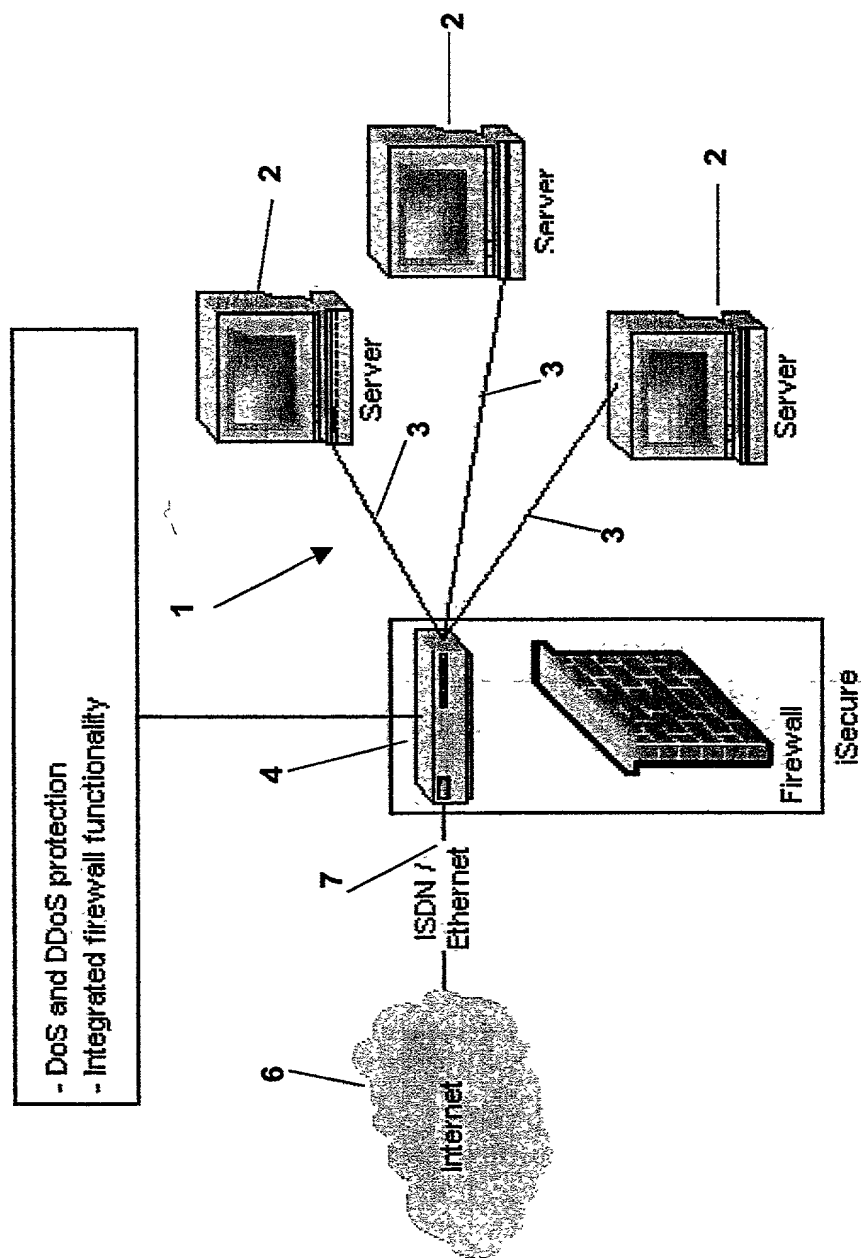


Fig. 2

Large sized network environment

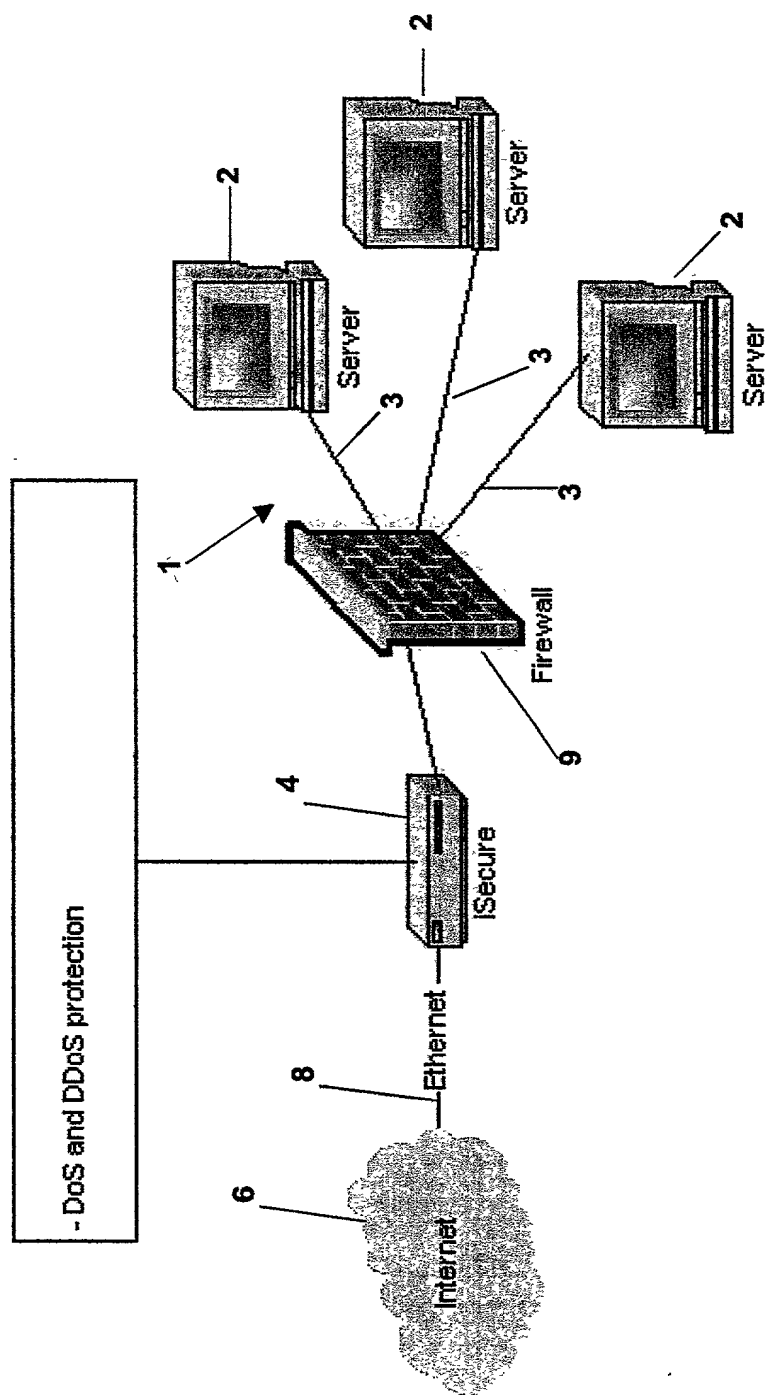


Fig. 3

establishing a connection with the non-authorized / not normal use of the protocol

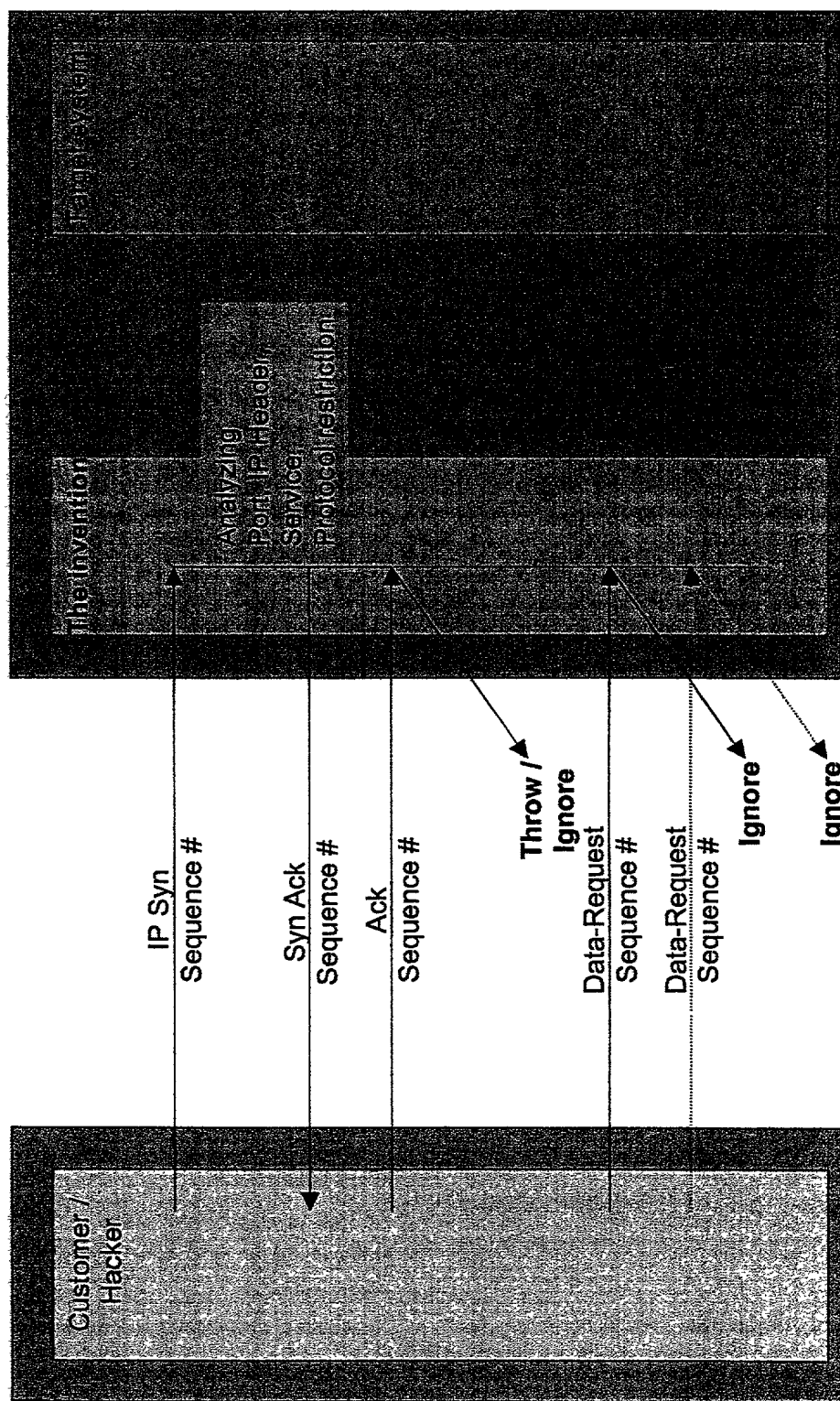


Fig. 5

Failing to establish a connection

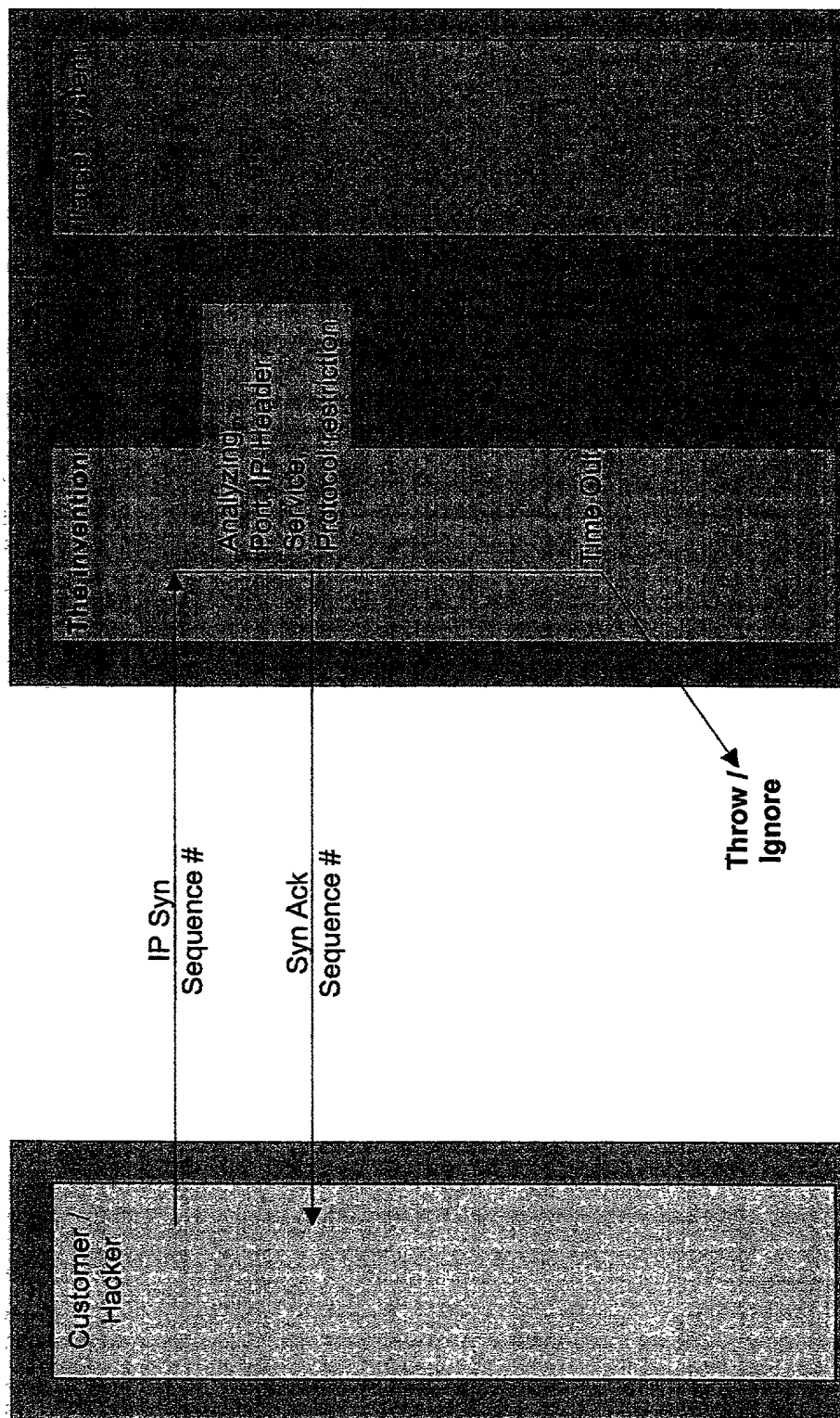


Fig. 6

After establishing a connection with authorized / normal flow of data

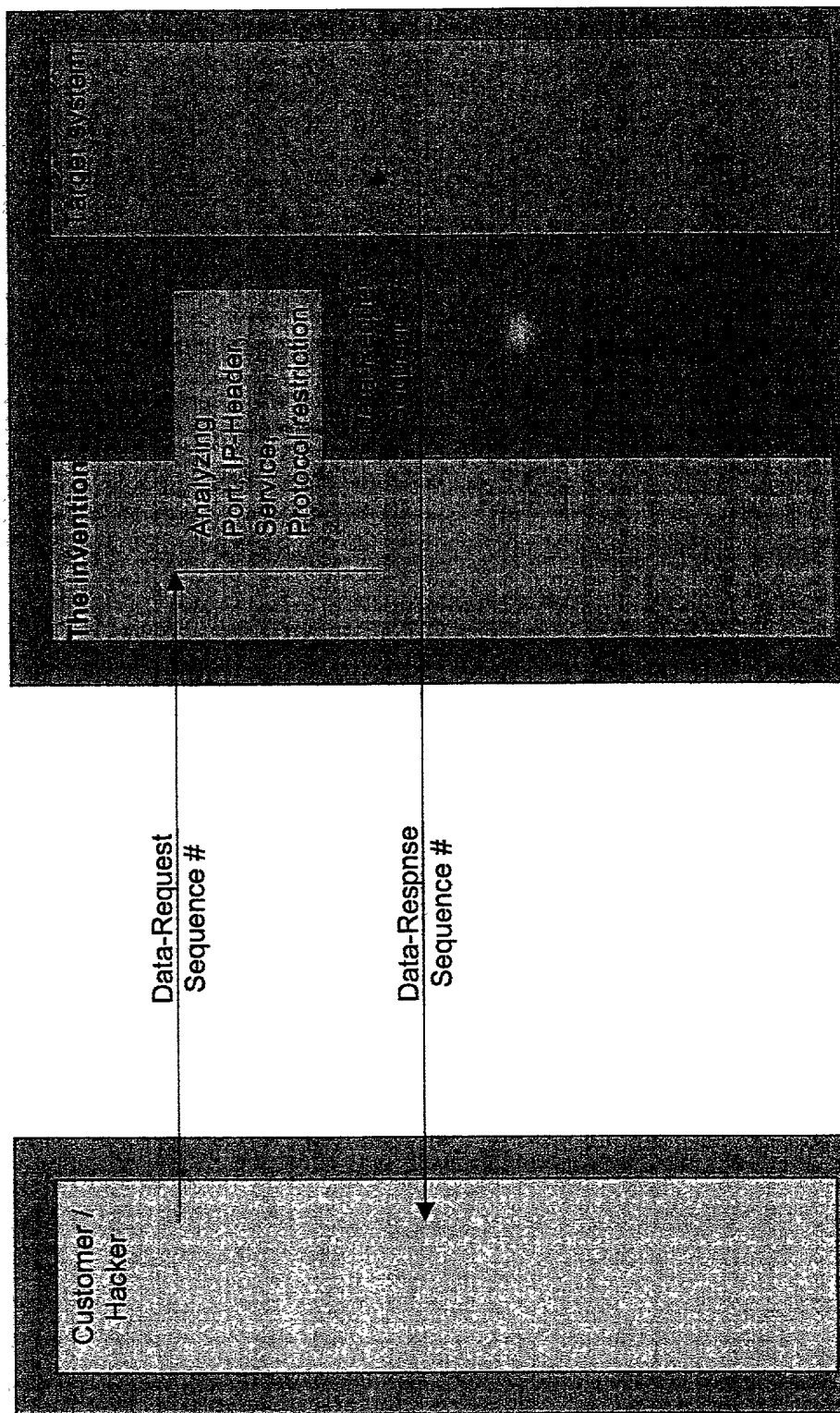


Fig. 7

After establishing a connection with non-authorized / not normal flow of data

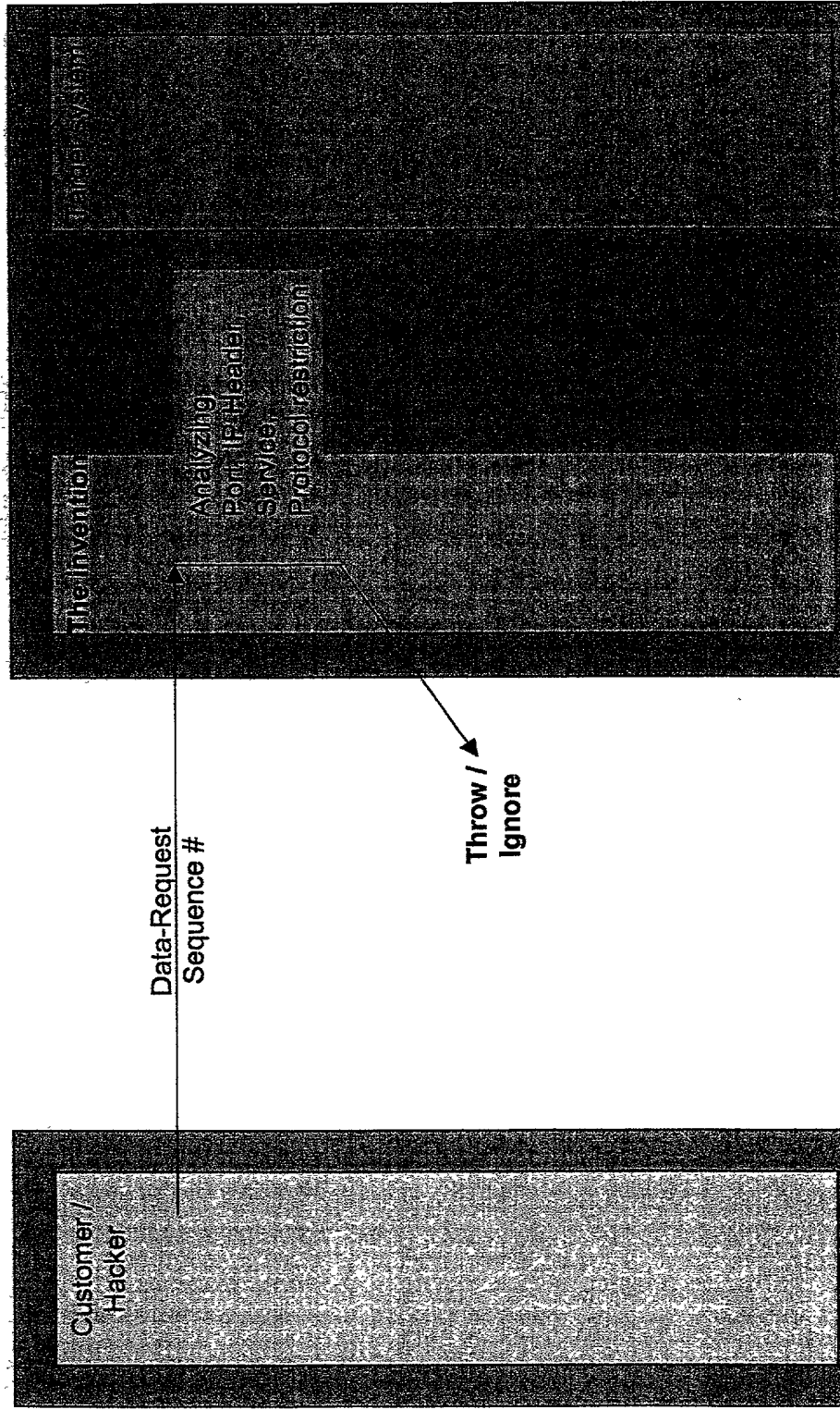


Fig. 8

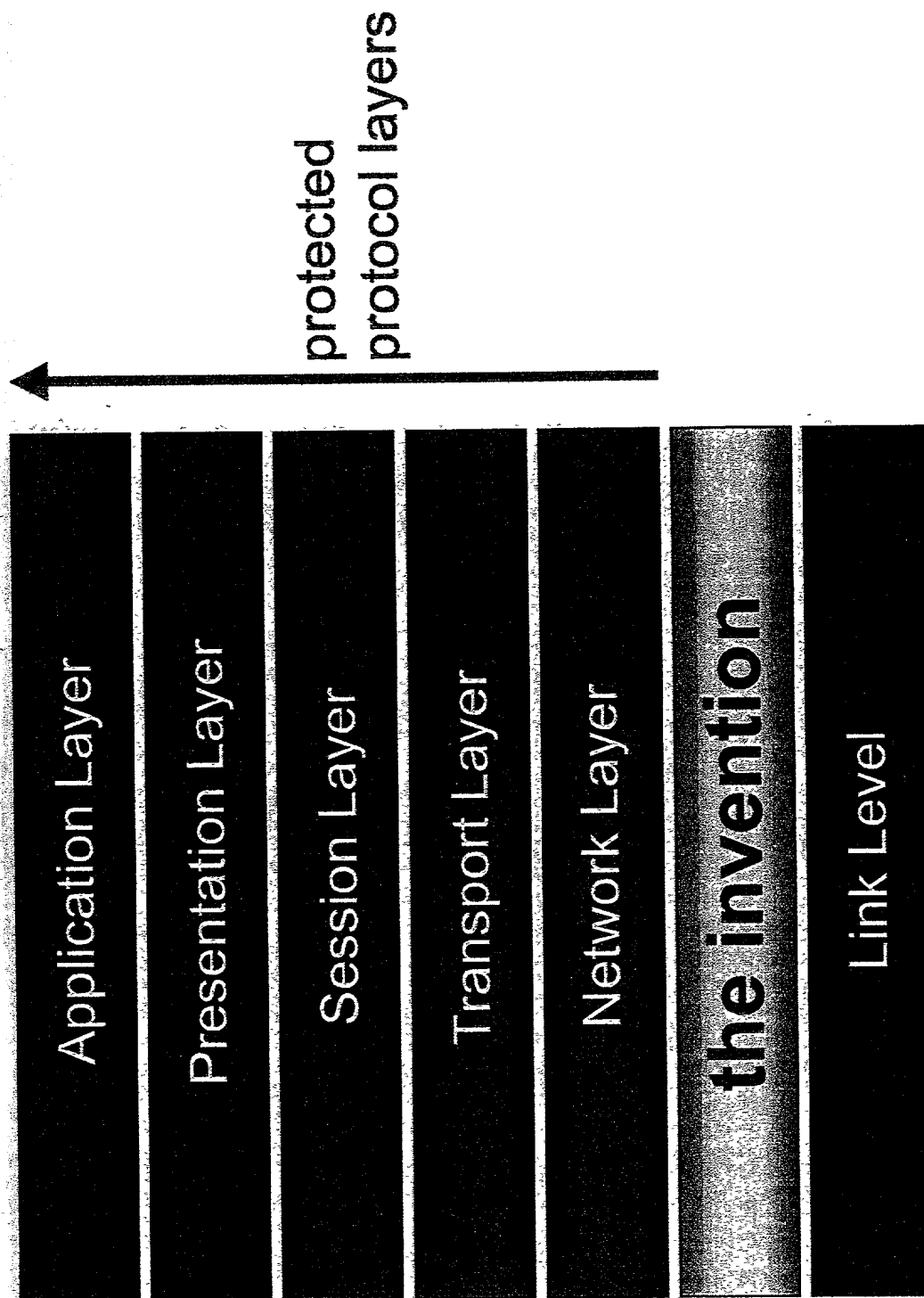


Fig. 9

IP-Header

32 Bits

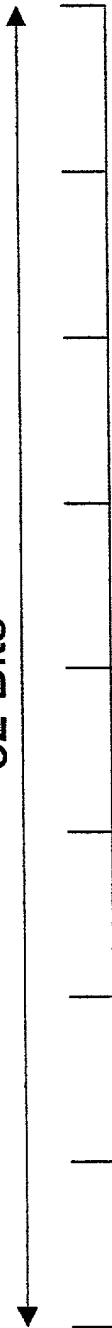


Version	IHL	Type of Service	Total Length		
Identification			D	M	Fragment Offset
			F	F	
Time to Live	Protocol		Header Checksum		
Source Address					
Destination Address					
Options			Padding		

Fig. 10

TCP-Header

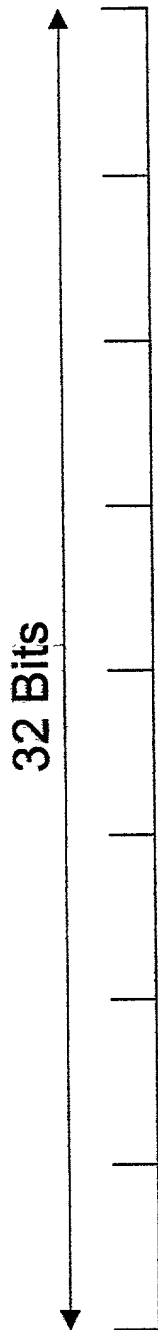
32 Bits



Source Port			Destination Port		
Sequence Number					
Acknowledgement Number					
TCP Header length		Reserviert	control flags		Window Size
Source Port			Urgent Pointer		
Options				Padding	

Fig. 11

UDP-Header



Source Port	Destination Port
UDP Length	UDP Checksum

Fig. 12

IP-Header	ICMP data part
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ICMP Type	ICMP Code	ICMP Checksum
reserved		
IP-Header and 64 bits original datagram		
ICMP Type	ICMP Code	ICMP Checksum
Pointer	reserved	
IP-Header and 64 bits original datagram		
ICMP Type	ICMP Code	ICMP Checksum
Identification	Sequence Number	
ICMP Echo Data		

Fig. 13